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Digital transition: opportunities & experiences from European cities

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1. Importance of data (of all flavours)
 2. Distributed systems (even of power)
 3. Cities as experts (or platforms?)
 4. Integration & replication (of the new)
 5. Last (and needed) repository?
 6. Megacities, city diplomacy, cities competition
- Cities work with goals



Two (or three) ways to read digital transition

1. Transformation of the city administration – its operations and services
2. Creation of a favourable environment for ICT industry
3. A long-term and societal and economic transformation



Opportunities and challenges

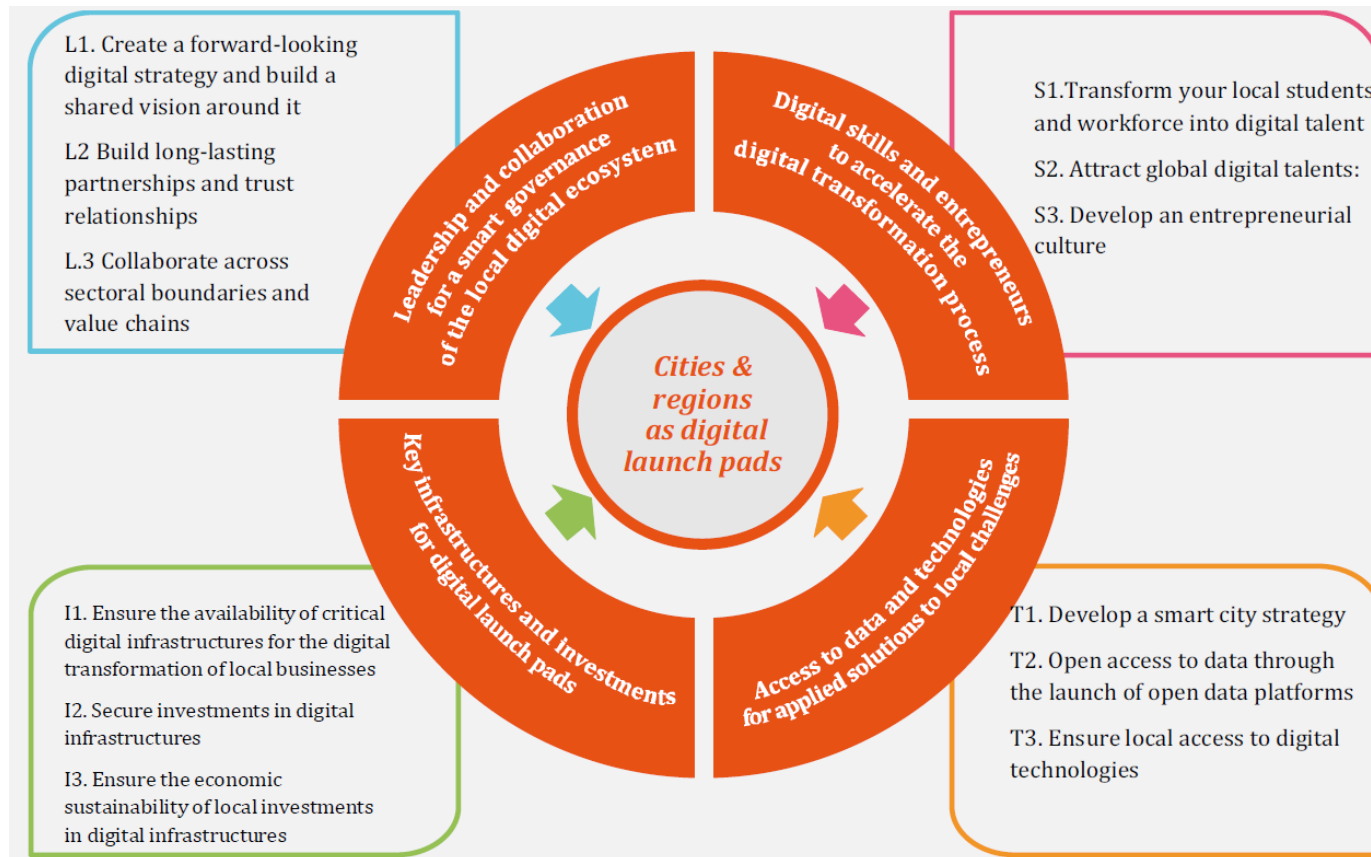
- | | |
|---|---|
| <ul style="list-style-type: none">• Better services for the citizens• More proactive and reactive cities• More efficient and transparent administration• Enhanced citizens' participation• New business opportunities• New and better opportunities for customers• Industry 4.0/urban manufacturing• Sharing economy | <ul style="list-style-type: none">• New social divides• Vulnerability of city infrastructure• Privacy and security risks• Digital exclusion• Job destruction without job creation• Disruption of local commerce• Lack of business models for local business• Unexpected side-effects (e.g. Uber, Airbnb)• Platform(-isation) and central(-isation) of key activities• <i>Data management and ownership</i> |
|---|---|

Strange times

- New technologies = new infrastructure, in an era of tight budgets + demand to change the governance model → *can cities react or act?*
- Proposition: Cities don't know what to do!
- Living labs, experimentation, innovation, new business models, ... is this an indirect proof to it?
- Or maybe, this is the correct reaction? A new way of thinking (*process instead of result oriented*)



Source: A digital compass for decision makers: toolkit
On disruptive technologies, impact and areas for action

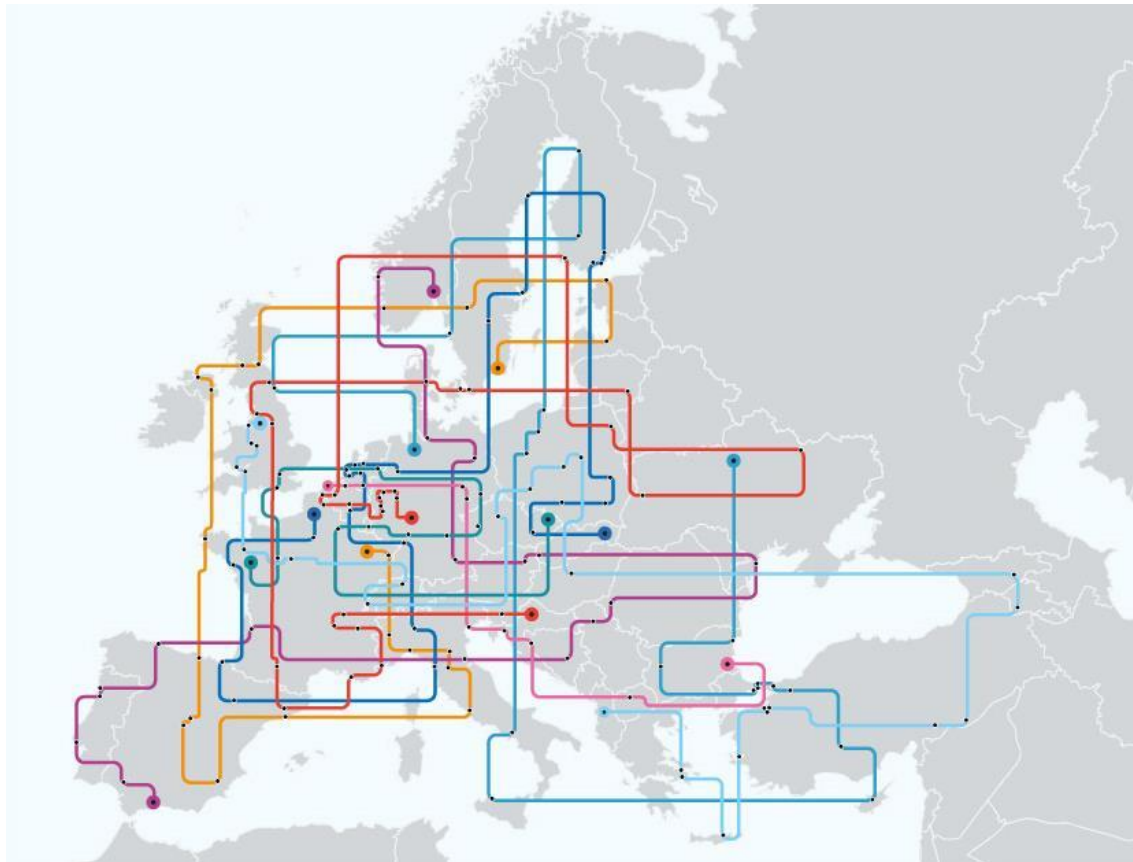


Source: Blueprint for cities and regions as launch pads for digital transformation



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PLATFORM FOR **CITY MAYORS** AND LEADERS TO SPEAK WITH **ONE VOICE** ON **EU POLICY** IMPACTING ON CITIES

OVER **130** OF EUROPE'S **MAJOR CITIES** IN **35 COUNTRIES**





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Examples



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OuluHealth



200+

life science companies



12K+

ICT professionals



1,8/0,8

Finland's health-tech export
exceeds import (among only 10
countries in the world)

**Innovative and proficient
integrated health ecosystem**



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Barcelona – Fab Lab & Fab City



ABOUT ROAD MAP NEWS GET INVOLVED CONTACT FAQ

FAB CITY

LOCALLY PRODUCTIVE GLOBALLY CONNECTED CITIES

36 305 20 20 20
YEARS DAYS HOURS MINUTES SECONDS

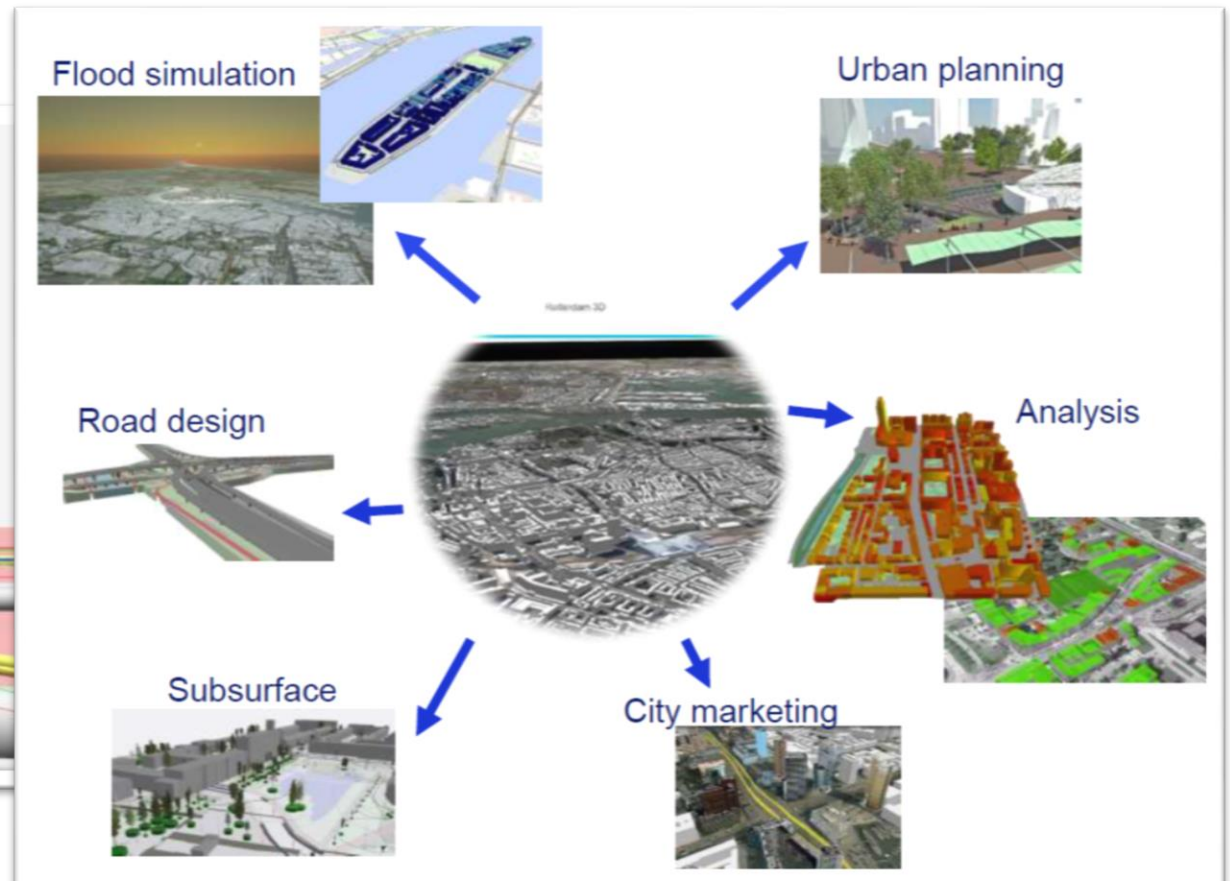
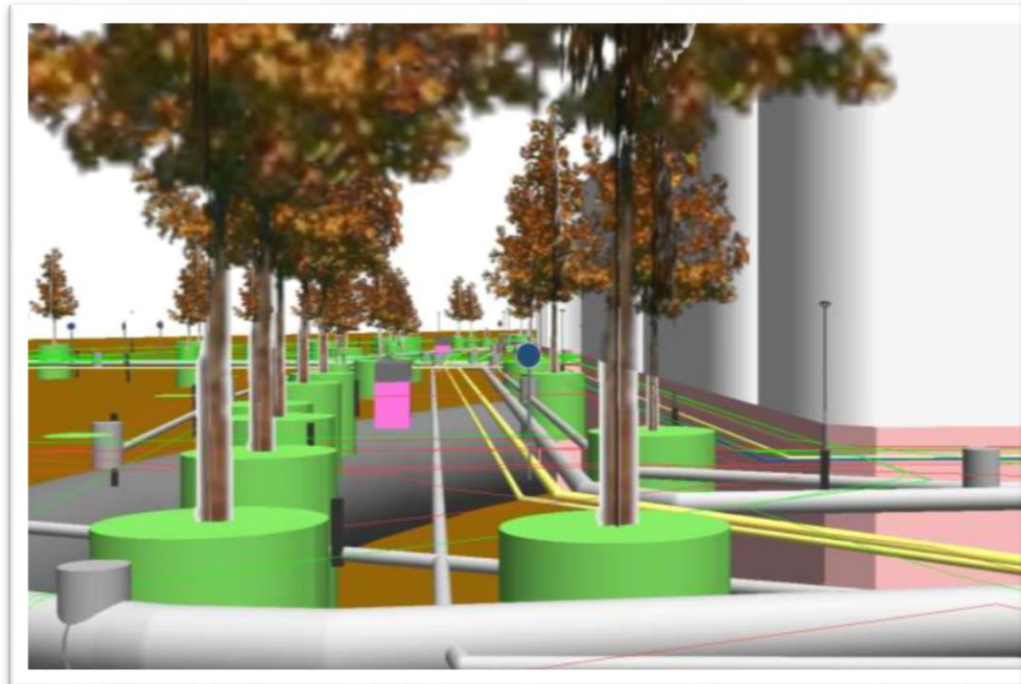
until cities produce everything they consume.

START



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Rotterdam 3d






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Amsterdam smart city


The screenshot shows the Amsterdam Smart City website homepage. At the top, there is a red navigation bar with the logo 'am smart erdam city' on the left, 'Sign in' and 'Join the community' buttons on the right, and a search icon. Below the navigation bar is a main menu with links for Updates, Requests, Events, Projects, Themes, Visits, Network, Map, and Academy. The main content area features a large hero section with a night city street background. On the left, the text reads 'Organizing important urban innovation' and 'Join our community of innovators'. On the right, it says 'Over 3544 innovators: startups, corporates and more' and includes a 'Sign in' button and a link to 'About Amsterdam Smart City'. Below the hero section are three promotional cards: 'Data and affordable sustainable housing' (with a photo of solar panels), 'Join us on the trade mission!' (on a red background), and 'Amsterdam City Data' (with a map of the city).



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City Experimentation Bristol Data Dome IoT Mesh Wireless Mile Full SDN / NFV



▼ DESCRIPTION ▼ DESCRIPTION ▼ DESCRIPTION ▼ DESCRIPTION ▼ DESCRIPTION

In 2015 & 2016 Bristol Is Open is turning-on the Platform that will support a wide range of experiments and applications. Details of what will be working when are available on this page.



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Thank you!